

FIGURE 1

Eciss	ATGCAGGATAATAAGATGAAAAAAATGTTATTCTGCCGCTCTGGCAATGCTTATTACA	60
102iss	ATGCAGGATAATAAGATGAAAAAAATGTTATTCTGCCGCTCTGGCAATGCTTATTACA	60
lambor	ATCGGAATAACACCATGAAAAAAATGCTACTCGCTACTGCGCTGGCCCTGCTTATTACA	60
Eciss	GGATGTGCTAACAAACGTTACTGTTGGAAACAAACCGACAGCAGTAACAAACAGGAA	120
102iss	GGATGTGCTAACAAACGTTACTGTTGGAAACAAACCGACAGCAGTAACACCAAAGGAA	120
lambor	GGATGTGCTAACAGACGTTACTGTTCAAAACAAACGGCAGCAGTAGCACCAAAGGAA	120
Eciss	ACCATCACTCATTTCTCGTTCCCCAATTGGAC-AGAGAAAATGTTGATGCAGCC	179
102iss	ACCATCACTCATTTCTCGTTCGGAATTGGACAAGAGAAAATGTTGATGCAGCC	180
lambor	ACCATCACCCATCATTTCTCGTTCTGGAATTGGCAGAAGAAAATGTCGATGCAGCC	180
Eciss	AAAATTGTTGGCGGTGCAGAAAATGTTTAAACAGAAAATCAGAAACATTGTAAA	239
102iss	AAAATTG-TGGCGGTGCAGAAAATGTTTAAACAGAAAATCAGAAACATTGTAAA	239
lambor	AAAATTG-TGGCGGCAGAAAATGTTTAAACAGAAAACCCAGCAAACATTGTAAA	239
Eciss	TGCATTGCCCGTTTATCACTTTGGCATCTATACTCCGCGGAAACCGTGTATATTG	299
102iss	TGGATTGCTCGGTTTATCACTTTGGCATCTATACTCCGCTGGAAGCCC GG GTATATTG	299
lambor	TGGATTGCTCGGTTTATTACTTTAGGCATTATACTCCGCTGGAAGCGCGTGTGTATTG	299
Eciss	CTCACAAATAG	309
102iss	CTCACAAATAG	309
lambor	CTCACAAATAA	309

FIGURE 2

Iss_Ec	MQDNKMKMLFSAALAMLITGCAQQTFTVGNKPTAVTPKETITHHFFVSPIGQRKLLMQP	60
102Iss	MQDNKMKMLFSAALAMLITGCAQQTFTVGNKPTAVTPKETITHHFFVSGIGQEKTVDAA	60
lamBor	MKKMLLATALALLITGCAQQTFTVQNKPAAVAPKETITHHFFVSGIGQKKTVDA	55

Iss_Ec	KFVGGAENVVKTETQQTFVNALPGFITFGIYTPRETRVYCSQ	102
102Iss	KICGGAENVVKTETQQTFVNGLLGFITFGIYTPLEARVYCSQ	102
lamBor	KICGGAENVVKTETQQTFVNGLLGFITLGIYTPLEARVYCSQ	97

FIGURE 3

L E V L F Q G P L G S M Q D N
CTG GAA GTT CTG TTC CAG GGG CCC CTG GGA TCC ATG CAG GAT AAT
PreScission Protease BamHI iss fusion start

K M K K M L F S A A L A M L I
AAG ATG AAA AAA ATG TTA TTT TCT GCC GCT CTG GCA ATG CTT ATT

T G C A Q Q T F T V G N K P T
ACA GGA TGT GCT CAA CAA ACG TTT ACT GTT GGA AAC AAA CCG ACA

A V T P K E T I T H H F F V S
GCA GTA ACA CCA AAG GAA ACC ATC ACT CAT CAT TTC TTC GTT TCG

G I G Q E K T V D A A K I C G
GGA ATT GGA CAA GAG AAA ACT GTT GAT GCA GCC AAA ATT TGT GGC

G A E N V V K T E T Q Q T F V
GGT GCA GAA AAT GTT GTT AAA ACA GAA ACT CAG CAA ACA TTC GTA

N G L L G F I T F G I Y T P L
AAT GGA TTG CTC GGT TTT ATC ACT TTT GGC ATC TAT ACT CCG CTG

E A R V Y C S Q *
GAA GCC CGG GTA TAT TGC TCA CAA TAG TTG CCC ATC GAT ATG GGG

AGC TCA TCT GCG AAT TCC
EcoRI

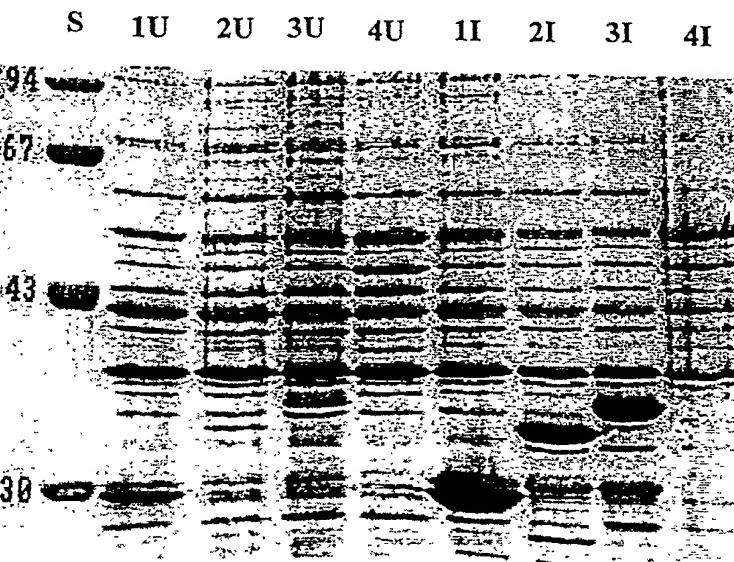
Title: NUCLEIC ACID ENCODING AN AVIAN *E. COLI* ISS POLYPEPTIDE AND METHODS OF

USE

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FIGURE 4



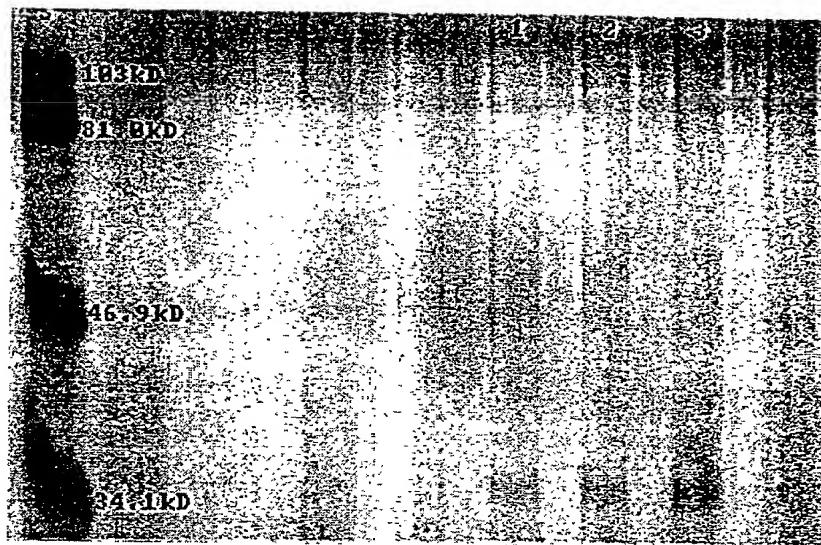
Title: NUCLEIC ACID ENCODING AN AVIAN *E. COLI* ISS POLYPEPTIDE AND METHODS OF

USE

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FIGURE 5



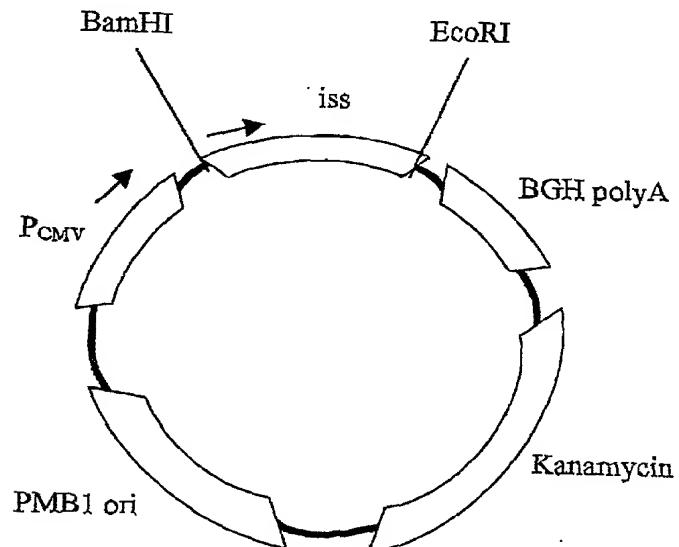


Fig 6